

portion of a blade and a molded electrode.

[Fig. 7] A drawing showing a turbine rotor blade in accordance with a modified example of the first embodiment.

[Fig. 8] A drawing showing a turbine rotor blade in accordance with a third embodiment.

[Fig. 9] Fig. 9(a), Fig. 9(b), Fig. 9(c) are drawings explaining a production method of a machine component in accordance with the third embodiment.

[Fig. 10] Fig. 10(a), Fig. 10(b), Fig. 10(c) are drawings explaining the production method of the machine component in accordance with the third embodiment.

[Fig. 11] A drawing explaining a relation between a tip end portion of the blade and a molded electrode.

[Fig. 12] A drawing showing a turbine rotor blade in accordance with a modified example of the third embodiment.

[Fig. 13] A perspective view showing a turbine rotor blade in accordance with a fourth embodiment.

[Fig. 14] A drawing showing an electric spark machine in accordance with the fourth embodiment.

[Fig. 15] A schematic plan view of a replacement unit in accordance with the fourth embodiment.

[Fig. 16] Fig. 16(a), Fig. 16(b), Fig. 16(c) are drawings explaining the repair method of the machine component in accordance with the fourth embodiment and the production method of the restored machine component in accordance with the fifth embodiment.

[Fig. 17] Fig. 17(a), ^{and} Fig. 17(b), ~~Fig. 17(c)~~ are drawings explaining the repair method of the machine component in accordance with the fourth embodiment and the production method of the restored machine component in accordance with the fifth embodiment.

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BEST MODE FOR CARRYING OUT THE INVENTION

A description will be hereinafter given to certain embodiments of the present invention for describing the present invention in further detail with appropriate reference to the accompanying drawings. Meanwhile, in the drawings, "FF" denotes a forward direction and "FR" denotes a rearward direction. Moreover, in the description, in proper, "a cross direction" is

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